



## IMDM 培养基组分表

组分	分子量	浓度 (mg/L)	摩尔浓度 (mM)
<b>氨基酸</b>			
Glycine	75	30	0.4
L-Alanine	89	25	0.28089887
L-Arginine hydrochloride	211	84	0.39810428
L-Asparagine (freebase)	132	25	0.18939394
L-Aspartic acid	133	30	0.22556391
L-Cystine 2HCl	313	91.4	0.29201278
L-Glutamic Acid	147	75	0.5102041
L-Glutamine	146	584	4
L-Histidine hydrochloride-H <sub>2</sub> O	210	42	0.2
L-Isoleucine	131	105	0.8015267
L-Leucine	131	105	0.8015267
L-Lysine hydrochloride	183	146	0.7978142
L-Methionine	149	30	0.20134228
L-Phenylalanine	165	66	0.4
L-Proline	115	40	0.3478261
L-Serine	105	42	0.4
L-Threonine	119	95	0.79831934



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L-Tryptophan	204	16	0.078431375
L-Tyrosine disodium salt	225	104	0.46222222
L-Valine	117	94	0.8034188
<b>维生素</b>			
Biotin	244	0.013	5.33E-05
Choline chloride	140	4	0.028571429
D-Calcium pantothenate	477	4	0.008385744
Folic Acid	441	4	0.009070295
Niacinamide	122	4	0.032786883
Pyridoxal hydrochloride	204	4	0.019607844
Riboflavin	376	0.4	0.00106383
Thiamine hydrochloride	337	4	0.011869436
Vitamin B12	1355	0.013	9.59E-06
i-Inositol	180	7.2	0.04
<b>无机盐</b>			
Calcium Chloride (CaCl <sub>2</sub> ) (anhyd.)	111	165	1.4864864
Magnesium Sulfate (MgSO <sub>4</sub> ) (anhyd.)	120	97.67	0.8139166
Potassium Chloride (KCl)	75	330	4.4
Potassium Nitrate (KNO <sub>3</sub> )	101	0.076	7.52E-04
Sodium Bicarbonate (NaHCO <sub>3</sub> )	84	3024	36
Sodium Chloride (NaCl)	58	4505	77.67242



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Sodium Phosphate monobasic (NaH <sub>2</sub> PO <sub>4</sub> -H <sub>2</sub> O)	138	125	0.9057971
Sodium Selenite (Na <sub>2</sub> SeO <sub>3</sub> -5H <sub>2</sub> O)	173	0.017	9.83E-05
其他组分			
D-Glucose (Dextrose)	180	4500	25
HEPES	238	5958	25.033613
Phenol Red	376.4	15	0.039851222
Sodium Pyruvate	110	110	1